WHAT IS CLAIMED IS:

1. A broadcast/communication unified passive optical network system, comprising:

an optical line termination for time-division multiplexing received digital broadcast signals, for receiving communication signals from an electronic network, and for wavelength-division multiplexing and transmitting the digital broadcast signals and the communication signals;

a p lurality of o ptical n etwork u nits connected to the o ptical line termination in one-to-multi connection, each of said optical network units receiving the broadcast signals and the communication signals from the optical line termination, the p lurality of optical network units for time-division demultiplexing the multiplexed digital broadcast signals, and outputting a subset of the demultiplexed digital broadcast signals selected in accordance with a subscriber control signal and the communicating signals; and

a plurality of setup boxes connected to the plurality of optical network units in one-to-multi connection, each of the plurality of setup boxes receiving the broadcast signals and communication signals from a corresponding optical network unit, the plurality of setup boxes further configured to send subscriber control signals input by a subscriber to the corresponding optical network unit.

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2. The system according to claim 1, wherein the received digital broadcast signals is an MPEG2 multi-program transport stream.

- 3. The system according to claim 1, wherein the electronic network is the Internet.
- 4. The system according to claim 1, wherein the optical line termination comprises:
- a first and a second format converter for format-converting the digital broadcast signals from a moving image format into a time-division multiplexing (TDM) format;
 - a time-division multiplexer which time-division multiplexes the format-converted digital broadcast signals;
 - a distributor for receiving broadcast signals from the electronic network; and
- a wavelength-division multiplexer for wavelength-division multiplexing and transmitting the format-converted digital broadcast signals and the communication signals to the optical network units over an optical fiber.
- 5. The system according to claim 3, wherein the TDM format is in accordance with15 a synchronous digital hierarchy/synchronous optical network (SDH/SONET) standard.
 - 6. The s ystem a ccording to c laim 4, wherein the optical line termination further comprises:
- a first and a second local processor for remultiplexing the broadcast signals to the 20 format converter;
 - a buffer for storing signals received from the VOD server;
 - a distributor;

a first E/O converter for converting the format-converted digital broadcast signals provided from the time-division multiplexer; and

a second E/O converter for converting the communication signals provided from the distributor.

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7. The system according to claim 1, wherein each of the plurality of optical network units comprises:

a wavelength-division multiplexer for demultiplexing the signals received through the optical fiber;

a time-division multiplexer for time-division demultiplexing the demultiplexed broadcast signals;

a format converter which converts the broadcast signals having a time-division multiplexing format into a moving image format and outputs the format-converted signals;

a controller which transmits only the broadcast signals selected from the format-15 converted signals in accordance with a subscriber control signal to the setup boxes; and

a distributor which outputs the subscriber control signal to the controller and transmits the demultiplexed communication signals to the setup boxes.

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- 8. The system according to claim 7, wherein each of the optical network units further comprises:
- a first O/E converter which converts and outputs the broadcast signals from among the demultiplexed optical signals provided from the wavelength-division multiplexer;
- a second O/E converter which converts and outputs the communication signals from among the demultiplexed optical signals provided from the wavelength-division multiplexer;
 - a third O/E converter which converts and outputs the communication signals inputted through the optical fiber;
- a first frequency converter which outputs the signals provided from the controller after converting the frequency thereof into a first intermediate frequency signal;
 - a second frequency converter which outputs the signals inputted from the distributor after converting the frequency thereof into a second intermediate frequency signal;
- a signal combiner for combining the signals provided from the first and second frequency converters; and
 - a first E/O converter for converting the signals provided from the signal combiner through the optical fiber.

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- 9. The system according to claim 1, wherein each of the setup boxes comprises:
- a signal separator for separating the signals received over the optical fiber into broadcast signals and communication signals; and
- a hub for outputting the communication signals provided from one of a VOD player,

 5 a computer and an HDTV to a corresponding subscriber terminal, the hub further
 configured to receive communication signals including a subscriber control signal for
 changing broadcast channels from the subscriber terminal.
- 10. The system according to claim 9, wherein each of the setup boxes further10 comprises:

an O/E converter for converting the signals provided from the optical fiber;

- a first and a second frequency converter for downconverting the broadcast signals and the communication signals from an intermediate frequency to a baseband frequency; and
- an E/O converter for E/O converting and transmitting the communication signals through the optical fiber.